GRUMMAN plane news

Vol. 36 No. 7 Bethpage, N.Y. April 8, 1977

Skurla visits Pax River to view Navy's 'new look'

"What you're pitching here is just what we want to see," remarked George Skurla, Grumman Aerospace Chairman and President, after a briefing on the Navy's new emphasis in reliability and maintainability at the Naval Air Test Center (NATC), Patuxent River, Maryland.

Skurla was very impressed with the "new look" of Naval Air Systems Command and Naval Air Test Center.

The "new look" is a concerted effort by the Navy to insure that reliability and maintainability is built into every product before the Navy buys it.

Right way to go

"Doing it right the first time will benefit all of us," stated Skurla.

Skurla was the guest of Rear Adm. James Foxgrover, Commander of the NATC. The admiral invited him to come back to see just how much aircraft systems testing had changed since Skurla's last assignment at Pax River-31 years ago, testing the F-7F Tigercat for Grumman.

During their "new look" discussion, the admiral stressed the importance of teamwork between the Navy and Grumman, as well as other contractors.

From the beginning...

"It's a whole new way of doing business," said Foxgrover, "but if we can provide the contractor with a realistic mission profile definition and participate with him through every step of its design and development, the Navy-contractor team can provide the fleet with aircraft systems which will always perform well, even in the rigorous carrier environment."

Both Skurla and Foxgrover agreed that in the past the contractor was not

(Continued on page 6)

Capt. Oldmixon congrats NAVPRO/Grumman team

Grumman Aerospace men and women have received another note of appreciation for their efforts.

A team from the Naval Air Systems Command Representative-Atlantic, recently conducted its annual Flight Operations/Aviation Safety and Bailed Aircraft Maintenance Survey of Bethpage and Calverton Operations centers. The inspection was directed at both Grumman and NAVPRO people and procedures.

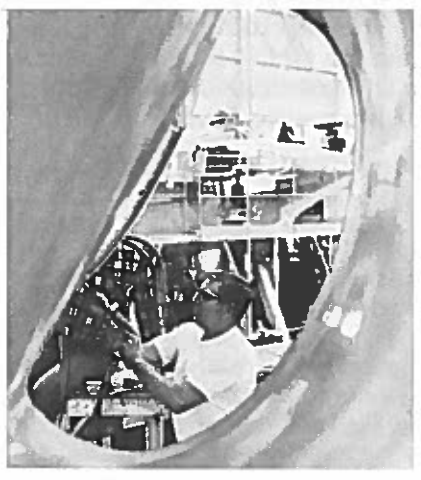
"Although the formal survey report is not yet available, I have been orally debriefed by the survey team members. Their comments were most favorable to Grumman," wrote NAVPRO Capt. Bill Oldmixon in a letter to Grumman Aerospace Chairman and President George Skurla.

"I am sure you will agree that there is no more critically important aspect to our joint operation than aviation safety," continued the captain. "Since May 1974, the Grumman/NAVPRO team has accumulated more than 10,000 accident-free flying hours.

"That record could only have been achieved by the most dedicated efforts of both parties. And it marks truly professional performance not only by our air crews, but by all of those other personnel whose efforts are crucially important-from the production line to the flight line.

"The results of the NAVAIRREPLANT inspection directly reflect Grumman's outstanding aviation safety performance...."

Oldmixon concluded his letter of appreciation with these words: "Well done! Let's shoot for another 10,000 hours!"



EA-6B mod program. *Last autumn, the EA-6B modification program kicked off at Calverton. In March, the first of 21 Prowlers to be updated by Grumman Aerospace rolled off the Plant 6 mod line—right on schedule.* *Story on page 4.*

people

With the recent passage of the Metric Conversion Act, the Department of Defense has issued a directive which includes a requirement that decisions not to use metrics on new designs must be justified by any company submitting a proposal.

This is just another example of what we have all been experiencing in our everyday lives, such as

George Frankel

road signs in kilometers, weather temperature reports in Celsius scale readings and everyday commodities in grams.

Grumman is also responding to the trend. George Frankel, section head within Engineering Test Operations, has recently been appointed chairman of the Engineering Subsector Committee of the American National Metric Council's Aerospace Sector. The committee's function is to coordinate and assist all those in the aerospace industry who are converting to the metric system.

In this position, George will keep Grumman abreast of all progress in this area.

From all indications, it looks like the Metric System is inching (centimetering) into our lives.

Prepping for future

Sixteen Grumman women are broadening their education and career horizons by attending a series of in-depth management skill-building workshops on Saturdays at Adelphi University's School of Business.

The mini-series covers the role of an effective manager today; how to master new skills, organize for top efficiency, and be able to work within the corporate structure. Some of the skill building workshops offered are: omen and Managerial Power; Assertiveness Training; the Art of Negotiations; Team Building; and Building a Career with Your Company.

The weekly sessions began March 12 and will conclude April 23.

Those Grumman women attending are: claire Sklarow, Helen Connor, Laura Husarik, Louise Coleman, Diane Crowe, Dorothy Dmuchowski, Helen Long, Bernice Waterman, Marian Stange, Maryann Bienias, Denise Pettingill, Angela Ingino, Mary Chisholm, Regina Byrd, Marylin Bierbaum, and Ellen Raymond.

Prize winners

On March 24, at a drawing in Plant 35 cafeteria, Food Services awarded 18 lucky ticket holders $15 gift certificates. The certificates may be used at any Employee Service office.

Lucky ticket holders were Maryann Behr, Plant 1; Tom Marion, 3; Sal Rubino, 6; George Ludwig, 5; Ted Davis, 30; Joyce Blessing, 35; Marguerite Gibbons, 36; Ernest Roberts, 40; Barbara Doris, 43; Rita Enders, 27; Barbara Spence, 2; Frank Bonitto, 4; Bob Ludwig, 15; Helena Johnsen, 111; Artie Gross, 6; Robert Lowell, 7; Ken Edwards, 7; and Chuck Tascarella, 44.

Next month's drawing will be held April 29. All Grummanites who purchase food in the cafeterias or buffeterias from April 25 to 29 will receive raffle tickets for the drawing. Each winner will get two tickets to the Tony Martin-Cyd Charisse show at the Westbury Music Fair in June.

The special lunch for Friday, April 29, will feature broiled bay scallops with tartar sauce, O'Brien potatoes, half broiled tomato with lemon wedge, and a cup of tea or coffee. Tariff for the delicious lunch is $1.35.

Bright idea

Ed Leszak

The U.S. Patent Office does not grant a patent number freely. But Ed Leszak developed a process for modifying heat pipes-and was issued Patent Number 4,004,441.

Heat pipes transfer thermoenergy from one source to another with very little change in temperature. They are grooved on the inside to accommodate the flow of low boiling point liquids such as amonia and freon.

Over a year ago, Ed was working on an engineering design that called for modifying the shape of these lengthwise grooves.

Although the design showed the shape of the grooves for the new heat pipes, there was no process or tool to make them. After several months of experimenting in the Plant 2 Prototype shop, he developed a new procedure and tool, utilizing roller balls.

This is not Ed's first patent. He received one for a metal technique and another for developing an angle measuring instrument. Even though he has three patents to his credit, Ed is looking forward to acquiring more patent numbers. "I enjoy the challenge of solving problems," he says.

Building block. *Sixteen industrious Grummanites have been spending their Saturday mornings at Adelphi's School of Business participating in a series of in-depth management skill-building workshops. Above, attendees chat with Sandra Liebman (seated R), associate director of Women's Management Programs, and workshop leader Eleanor Zuckerman (seated L).*

Appointments

Among those who recently received changes in assignments were: DEPARTMENTAL OPERATIONS—Robert Knoetgen, EF-111A systems project leader, Plant 40; and Howard Schilling, group head, Structural Design, Plant 35, both in the Engineering Department; in Integrated Logistics Support Theodore Kelley, appointed project manager, Field Service, E-2, located in Plant 1; BETHPAGE OPERATIONS—Harold Pabst Jr., deputy director of-Plant Operations; Joseph Antonowicz, supervisor, Industrial Engineering; Joseph Braun, Plant Monitoring & Control; Dominick DiGangi, Planning & Control; Richard Wright, Planning Program Requirements & Release, all appointed section head; and Robert Mita, assistant manager of Planning, all located in Plant 2; MANUFACTURING DEPARTMENT—Paul Kanzler has been appointed assistant to the director of the Manufacturing Technology Department for Advanced Manufacturing Technology. Located in Plant 2, he will be responsible for incorporating new technology and information into advanced manufacturing planning including processes, equipment, & tooling; ADMINISTRATIVE SERVICES—Charles Giardino, assistant graphics production supervisor in Presentation Services; and in GREAT RIVER OPERATIONS QUALITY—Frank Onza has been appointed inspection manager, Plant 44; and Thomas Marino, inspection manager, including the Receiving Inspection responsibility, in Plant 43.

Applying space technology to new firefighter equipment

Technology developed for man's journey to the moon is presently being applied to the development of lighter, tougher, and safer equipment for firefighters.

Because firefighting is the most hazardous of all occupations in America, the National Fire Prevention and Control Administration and the National Aeronautics and Space Administration are jointly funding a long-term program to reduce some of the dangers encountered by that nation's firefighters.

Futuristic outfit

As part of Project FIRES (Firefighters Integrated Response Equipment System), Grumman Aerospace recently earned a $478,375 contract to design a new protective ensemble for firefighters.

The project is intended to improve firefighters' protection against such hazards as heat, flame, smoke, toxic fumes, and electricity, and also to allow improved performance through greater maneuverability. Included in the ensemble would be everything from the skin out that firefighters wear when responding to fires.

Technology spin-off

As an additional task in the initial phase of Project FIRES, Grumman will build a demonstration ensemble to illustrate the application of advanced technology to firefighting equipment.

The second phase of the project, which has not yet been awarded, is expected to stretch over 34 months and include the fabrication and field testing of a protective ensemble. These trials will lead to final, production-ready designs.

Earlier, Grumman Aerospace conducted a study of firefighting methods and equipment for the City of New York. As part of the program, Grumman instrumented more than 50 firefighters to capture physiological data during firefighting.

"Information we collected during these activities is being incorporated in the FIRES project," says Hy Kaplan, Civil Technology manager for Advanced Development. "Combined with Grumman's advanced space technology, the firefighters in our communities across the nation will be equipped with the best fire protection outfits modern technology offers."

The 18-month first phase study program will be headed by Fred Abeles, under the direction of Kaplan.

Time to sign up

The Annual Meeting of Grumman Shareholders is scheduled for 2 p.m. on Thursday, May 19, in Hangar 3, Plant 4. Starting April 6, Bankers Trust Company, Trustee for the Grumman Employee Investment Plan, will begin mailing members of the Plan proxy statements and confidential cards for voting at the Annual Meeting, says Bob Bradshaw, Secretary of Grumman Corporation.

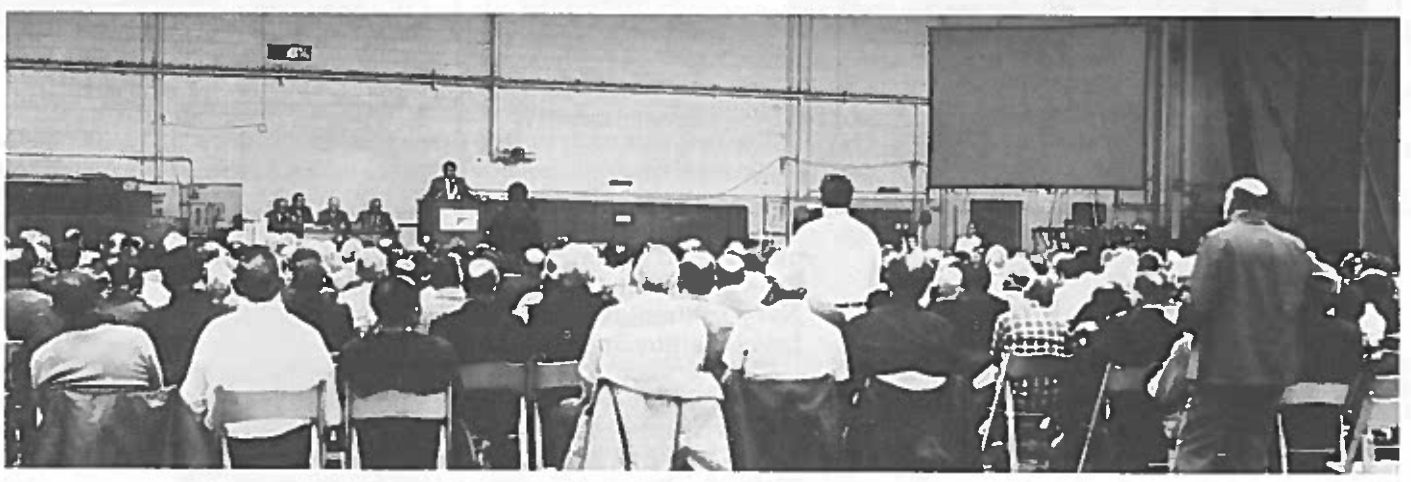
Employees are asked to return the completed cards by May 12 to Bankers Trust Company in the self-addressed, postage-paid envelopes that will accompany the proxy statements.

The Annual Meeting is often the only opportunity to view the company's products for visiting shareholders. Because Grumman shares obtained through the Investment Plan are held in trust for each individual member, being a member in the Plan does not automatically entitle participants to attend the Annual Meeting, says Bradshaw. Only those persons owning shares of record—that is, shares purchased outside the Investment Plan prior to the record date of March 31—are eligible to attend.

Grumman personnel who own Company shares as of the record date (March 31, 1977) and who wish to attend the meeting should pre-register at any office of Employee Services on any working day before May 12. **(Do not hand in proxy card to ESO. Mail in return envelope provided.)**

Because of limited space at the meeting, shareholders are requested to refrain from inviting their spouses, children or friends to the Annual Meeting.

Eligible Grummanites attend SIP seminars



SIP seminar. *Dan Knowles, director of Personnel, explains the company's Supplementary Income Plan to eligible Grummanites at an orientation seminar in Plant 4. (Photo by Marie Trimborn)*

The most popular topic of conversation around Grummman Aerospace lately is the Supplementary Income Plan (SIP).

Younger people with less than 10 years work experience are fantasizing about early retirement....others are calculating the amount of supplementary income they would receive if eligible.

But, for over 3,000 eligible Grummanities, the Supplementary Income Plan has enabled them to seriously consider early retirement. Those who choose to retire under SIP will receive monthly supplementary income payments from the date of retirement until they reach 65. The amount of SIP payments depends upon the retiree's age, length of service, and base salary. These monthly payments would be in addition to normal pension payments and Social Security benefits to which the individual may be entitled.

As reported earlier, the company chose SIP out of many alternatives studied to help reach Grumman's employment goals for 1977. "In addition to offering a sizeable number of Grummanites an opportunity to retire early," says Dan Knowles, Personnel director, "this program should assist Grumman in meeting its desired workforce level for this year--depending on how many choose to participate. Therefore, it is a one-time offer--there are no plans to repeat it."

All eligible Grummanites have received a letter explaining the plan together with a statement of their estimated pension and supplementary income amounts. Most have also attended one of several orientation seminars which were held around the company to further explain the Plan.

According to Frank Campbell, manager of Personnel Relations, early returns show about 65 percent of the eligible Grummanites who have responsed have chosen to accept the offer. Those eligible for SIP must notify the company before Friday, May 13, if they choose to participate.

Campbell cautions those persons considering early retirement about listening to unofficial "interpretations" of the plan. "The people who can furnish you with the right answers are Personnel Relations representatives in Plant 28, Ext. 3521. Don't hesitate to call us."

In addition, retirement counseling will be offered to those employees who accept the Plan. These sessions will be held in the evening to provide information to employees and their spouses concerning Social Security benefits, Medicare, health care, recreation, and other pertinent topics Dates for the retirement counseling will be announced shortly.

GRUMMAN plane news

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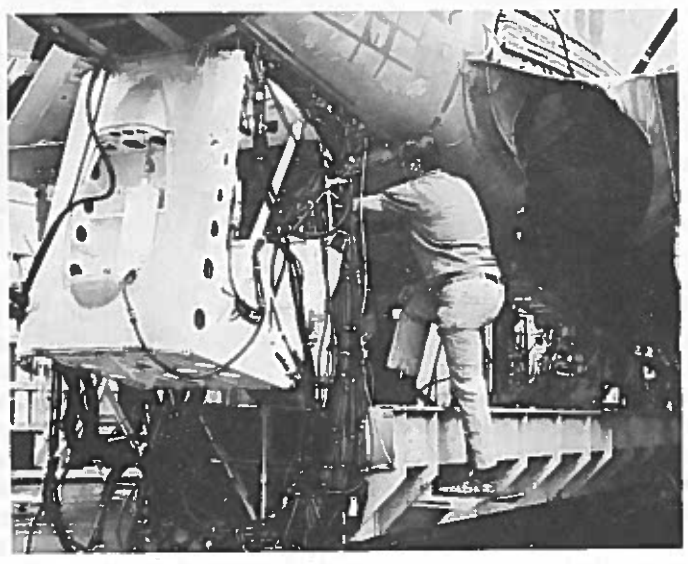
EA-6B mod squad smoothes path for new program

The task of modifying the first 21 EA-6Bs built by Grumman couldn't have fallen into more experienced and capable hands.

When the program began last autumn, it was not only the first major modification program for Prowlers in the fleet, it was also Grumman's first Navy contract to perform SDLM (Standard Depot Level Maintenance).

Plant 6 team met the challenge of initiating a new mod program, and, at the same time, demonstrated Grumman's ability to perform SDLM. Last month, the first EA-6B mod rolled out of Plant 6 with a fresh coat of paint, and the most advanced and effective tactical jamming system in the world today—and what's more, right on schedule.

"Since the first EA-6B was delivered in January 1971, modifications have had to be made to meet the ever-changing demands in the hostile electronic countermeasures environment," says Dick Gregor, EA-6B mod program manager. "The first 21 Grumman-built EA—6Bs will be updated to the latest ICAP (Improved Capability) configuration which includes going through the EXCAP configuration."



With this modification, the on-board tactical jamming system expands from four to eight bands. It also includes reducing response time, and adding a new multi-format display. In addition, a Mode-one automated carrier landing system (ACLS), a new defensive countermeasures system, and a communication navigation and identification (CNI) system are installed.

Incorporating these new EA-6B features is just one segment of the task being undertaken by the Grumman mod squad.

When an aircraft arrives at Calverton, the Prowler is "torn-down." Fuel and engines are removed; paint stripped; and all wires, harnesses and cables are extracted. "It's more economical to replace wires, etc., than modify each individual item," states Al Stevens, Calverton EA-6B Mod production manager.

The tactical jamming system, on-board computer, and flight control systems are shipped to vendors for repair and update. Here, logistics is a key factor.

"Repaired and updated components have to be back at Calverton when the aircraft is in the proper installation station," reports Jack Schroeder, deputy manager of Plant 6. "It's been an extremely smooth operation, especially for a new program. Cooperation across-the-board has been great."

When the aircraft is in the "tear-down" stage, Grummanites perform the SDLM inspection. "Because of the Navy's extensive operational commitments for the EA—6Bs, these 21 Prowlers have never gone through a major overhaul," says Gregor.A team of Grumman quality and engineering personnel inspect and evaluate each aircraft and recommend any repairs required to the NAV-

PRO. When the recommended repairs list have been generated, the Navy signs off which repairs they desire to be performed by Grumman.

According to Schroeder, the company's performance in handling the SDLM for the Navy on this mod program has opened a new field for Grumman. "There are proposals in the works for undertaking SDLM of other Grumman products."

The first mod aircraft is now in Plant 7 for final systems check-out and flight tests, on schedule for a June delivery to the Navy. Starting with this aircraft, one EA-6B will be "DD-250'd" (sold) each consecutive month through February 1979. In addition there are five other aircraft currently on the mod line in Plant 6 with an additional Prowler being inducted into the line each month.

Judging from the smooth route of the first modified Prowler through Plant 6, it looks like the EA-6B mod team will have little trouble meeting those future delivery goals.

GAC hoopsters score multi-victory in Isfahan

Marty Clark has participated in several world as well as State and Regional tourneys as a member of the Grumman varsity softball team. But the Grumman Field Base administrator in Isfahan, Iran, says that few past athletic experiences have come close to rivaling the recent Isfahan Basketball Tournament championship.

When Marty returned to Isfahan from the States with uniforms for his varsity squad, he found the "Americans of Isfahan" the only team still undefeated in the two-losses-and-out tourney.

Says Marty, "The city was really psyched for the championship game between the 'Americans of Isfahan' and the Sepahan Sports Club since the contest got coverage in the Iranian newspaper and on radio for a full week."

The Grummanites had beaten Sepahan in the opening round. "We expected to pull this one out, too," reflects the team manager. But, playing in front of a chanting, screaming, packed house, the Grumman varsity lost, 83-79.

With both teams sporting a loss, the final showdown for the Isfahan championship title was set for five days later. Community interest soared and once again the stadium was packed.

Crowd-pleaser

In the final seconds of the first half, with Grumman leading 44-41, the team executed a fast-break, complete with a behind-the-back dribble and pass and a slam dunk basket. "The shot was disallowed at the buzzer, but the fans still gave us a standing ovation," says Marty.

"In spite of our outstanding play (50-point second half) I was never sure of victory until the final two minutes of play." The final score... "Americans of Isfahan" 94—Sepahan Sports Club 86.

"Standing before those thousands of cheering people to accept the four-foot high team trophy was a thrill of a lifetime. We had accomplished what we had set out to do—the team's outstanding spirit of sportsmanship and brotherhood coupled with a high level of performance has enabled us in a very short time to win the respect and admiration of fellow athletes and fans...

Noble gesture

"Through an interpreter, I told everyone present that they—not we—were to be congratulated. Since this tournament had been organized in honor of a great sportsman, Mr. Jalali, no nobler gesture could have been made than to allow us as guests of their country to participate. I thanked them for the privilege of participating and hoped we could have many more equally fulfilling encounters in the future."

Now, the word is out that Isfahan has a good American basketball team. Since the championship, two Grumman players have been asked to play on the Province All-Star team in the National Cup Tournament (only two foreigners are allowed). Both have been written up in the national sports magazine.

Continues Marty: "When Mr. Shabaniz, the tourney commissioner, congratulated me on our outstanding accomplishment, he said when he first saw the players, he really didn't know if we were good enough to let into the tournament.

"I can assure you he and the Iranian players of Isfahan are most grateful for both the books and films on basketball Grumman supplied. Whenever I am seen in the streets by any of the 100 or more players I have been in contact with, I am greeted with the greeting 'Coach, Salahm' in English—followed by a handshake and a grin."

calendar

AIAA: Wed., April 13, 6:30-8:30 p.m., PINY, Farmingdale, Rte. 110; local chapter, LI Section; technical papers competition written & presented by engineering students of several LI Universities; guests welcome. G. Frankel, x2346.

American Production & Inventory Control Society: Tues., Apr. 19, dinner 6:30 p.m., presentation 8 p.m., Crows Nest, Smith St., Farmingdale; local chapter; guest speaker: George Hayo, Emerson Consultants — "Managing Your Resources — Time & People"; all welcome. N. Heilweil, x2250.

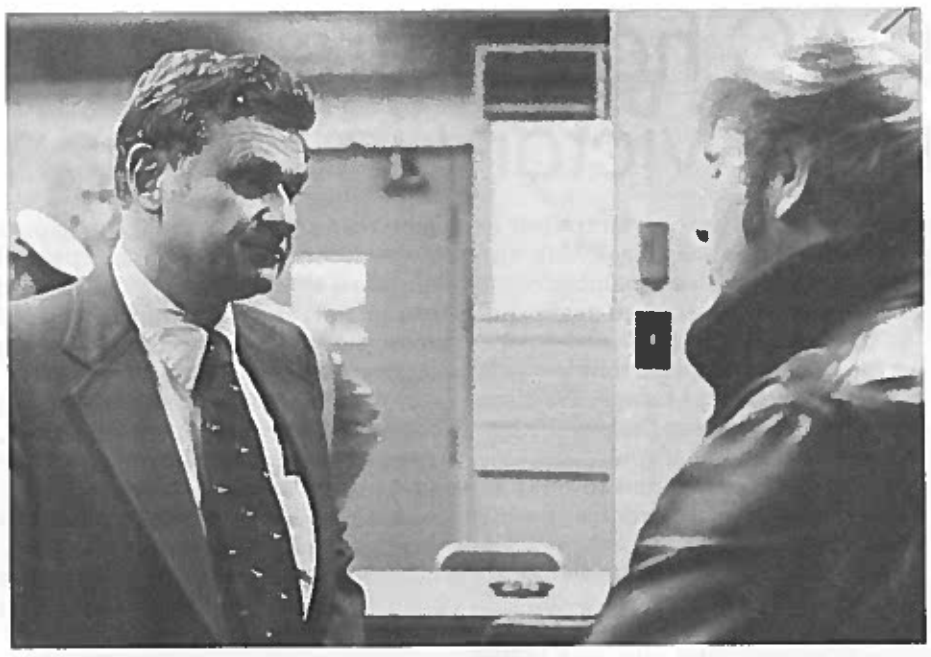
American Society for Metals: Wed., Apr. 20, complimentary cocktails 5:30 p.m., dinner 6:30 p.m., presentation 8:00 p.m., Antun's, Old Country Rd., Hicksville: local chapter; guest speaker from Lawrence Aviation, Inc. —"Strategic Aerospace Metals"; sustaining member & student night; all welcome. J. Beaudoin, x3945.

Grumman Dance Club: every Thurs., 5-7 p.m., Pl. 28 auditorium; Apr. 14 cha-cha, Apr. 21 folk dancing, Apr. 28 merengue; all welcome. M. Brown, x(115)3777.

Grumman Model Railroad Society: every Wed., 5:30-9:30 p.m., Model RR Bldg. (at Pl. 3 rr crossing); regular meeting; guests welcome. R. Muntz, x7408.

Grumman Ski Club: Wednesdays, Apr. 13/27, Gentleman Jim's, So. Oyster Bay Rd., Bethpage; all levels of skiiers; year-round activities planned; all visitors & friends welcome. A. Garmendia, x4736.

Society of Manufacturing Engineers: Mon., Apr. 11, 7:30 p.m., PINY, Rte. 110, Farmingdale; local chapter; guest speaker: Ed Friedman, Metal Improvement Co., Inc.— "Controlled Shot Peening"; all welcome. M. Rochman, x7949.



Out in the field. *Grumman Aerospace Chairman and President George Skurla discusses the company's efforts at NATC Patuxent River with Grumman Field Service supervisor, Roy Duryea, during a recent visit.*

More on Navy's 'new look'

(Continued from page 1)

normally given a realistic environmental mission profile definition. A mission profile describes just what the equipment will be required to do in the fleet. Too often, they said, the temperatures, "G" forces, and other requirements did not even come close to reflecting the actual stresses which the Navy would be putting on the system.

"By getting the Navy involved early in the process, such as you are doing now in the contractors' design reviews, a lot of this problem should be eliminated," said Skurla.

In addition to a formal briefing by the admiral on the mission and capabilities of NATC, Skurla received briefings on the Anti-Submarine Aircraft Test Directorate and Strike Aircraft Test Directorate. He also toured the Real Time Telemetry Processing Center, the Chesapeake Test Range, and, of course, visited with fellow Grummanites in Field Service who are stationed at Pax River.

Set up new department

A new department has been established to provide training for Grummanites and customers who are responsible for building, servicing, and maintaining company products.

In this organizational move, Customer Training along with the Systems and Skills Training activities of Corporate Training and Development are combined to form the new Product Training Department.

Tom Campo has been appointed director. He reports to Larry Mead, Senior Vice President-Departmental Operations. Campo is located in Plant 39, Ext. 2958.

Also included in this move is the re-naming of Corporate Training and Development to Career Education and Development. Art Gilmore continues as director, reporting to Dick Higgins, Administrative Services director.

Caputo heads Great River

The new general manager of Great River Operations is Bruno Caputo. He succeeds Norm Reinertsen who joined Grumman Allied Industries as Manufacturing director. Caputo reports to Executive Vice President Ralph "Doc" Tripp.

Caputo began his Grumman career as project engineer, Aerobilt Trailer department, in 1959. Later, he became assistant program manager for handling and transportation of the Lunar Module, and subsequently followed the program down to Kennedy Space Center, Florida.

While at the Cape, he also served as Staging Activation manager, and Configuration/Planning manager for ground test and spacecraft launch operations.

Caputo returned to Long Island in 1973 to join the Calverton management team during the "Big Push of '73" to get F-14 aircraft production back on schedule. His most recent position was as an assistant to Board Chairman and President George Skurla. In that capacity, he was responsible for program performance and new business requirements.

Caputo is located in Plant 43, Ext. 7755.

Bruno Caputo

Moving up

Roy Montano and Tom Forbes recently received new assignments.

Montano has been named deputy general manager of Bethpage Operations. In his new capacity, he reports to Bill Trillo, general manager. Montano is located in Plant 2, Ext. 5288.

Forbes was appointed deputy director of Material Management, reporting to director Tom Harding. He will continue to retain his responsibility for administrative activities within Material Management. Forbes works in Plant 30, Ext. 2024.

CU reports another year of expansion

Over 1,400 Grummanites and their families gathered at the Huntington Town House on March 23, for the annual dinner meeting of the Bethpage Federal Credit Union (BFCU). While dining, they heard the good news: 1976 was another year of expansion for the Credit Union—both in facilities and membership benefits.

The Credit Union now offers mortgage loans, "easy payment" accounts, and loans that can be made by telephone. Since mortgage loan service started last September, the Credit Union has loaned over $1-million to its members.

At the annual meeting, Ray Montano, president of the board of directors, reported, "This new source of income has increased our loan-to-share ratio from 55 percent to 61 percent. This increase is significant because it has enabled us to continue our six percent dividend rate."

The dividend rate depends for the most part on the amount of money loaned out. Interest collected on borrowed money is the chief source of income. Although the highest dividend allowed by law is seven percent, Montano explained that rate is not possible until there's a higher loan-to-share ratio.

Mortgage loans have definitely increased Credit Union income, says Montano. Members may borrow $8,000 or more against real estate and take up to 10 years to repay. First mortgages cost nine percent interest a year; second mortgages, 9.6 percent.

Besides mortgage loans, the institution initiated other new services during the past year. At the meeting, BFCU manager Pete Seitz said, "Our basic savings and loan program has been enhanced in particular by the addition of share draft accounts and pre-approved lines of credit. These programs, plus an array of related services already in operation—and planned for the future—make membership in your Credit Union more valuable each year."

New services

Share draft accounts are called "easy payment" accounts. The drafts are very similar to personal checks. They're numbered and issued in check-like booklets. At the end of the month, members receive statements that itemize all paid drafts.

An "easy payment" account earns quarterly dividends on the unused balance at the same rate as paid on regular share (savings) accounts; requires no minimum balance; has no monthly or per-share service charge; and, through payroll deposits, eliminates trips to the bank.

VIP line of credit is an easy way to borrow and lend money, remarks Seitz. Once a member establishes a secured and/or unsecured credit line, he or she can make loans by phone. This reduces paper work for both the borrower and the lender.

Seitz says the maximum amount allowed on an unsecured loan is $2,500 while the minimum is $100.

Many people have already taken advantage of the VIP credit line. As of December 31, 1976, 4,000 members can now get their loans by telephone.

In addition to providing more services for members, the Credit Union has enlarged its facilities to serve members better.

Added floor space at the Bethpage office will benefit people using the teller or loan areas, says Seitz. Now there is greater privacy for loan or deposit transactions. And, if you would rather stay in your car, you can make your deposit at the auto service window.

All new construction has not been confined to Bethpage. Branches were opened last year in Stuart, Florida, and Great River.

Pete Seitz would like to recommend those considering retirement that they should not give up their active Credit Union membership. The benefits of membership continue. He says the Credit Union is as near as a person's telephone or mail box, since members can make deposits or withdrawals with bank-by-mail envelopes.

scorecard

During the fourth and last round of the L.I. Industrial Invitation Bowling Tournament, Grumman threatened the winners, Nassau County Civil Service Employees Association, by cutting their lead to 51 pins. But, CSEA rebounded with a big 1019 game and defeated Grumman by 121 pins to collect the L.A. Swirbul championship trophy.

The varsity did very well in the fourth round of the Invitational by taking high game series, 2827, and placing second with a high team game, 1,010. John Erickson rolled high individual game for the night, 256, while Frank Fiorentino claimed high individual series, 651.

Erickson also captured second slot in the tournament for his high individual game.

Ski champs

Last month the Grumman Ski Club captured the team racing trophy at the Champagne weekend races held at Waterville Valley, New Hampshire. Eight top clubs competed in the meet sponsored by the L.I. Association of Ski Clubs.

A year ago, the Grummanites were nosed out of the trophy by two points. But this time, team secretary Art Garmendia says they guaranteed it would not happen again as they trounced their nearest competitor by 100 points.

Senion class Grummanite winners were Ed Schneider, Tony Favale, Bob Baciuska, Carol Sweeney, Barbara Favale, and Anna Accardi. Intermediate honors were claimed by Ingrid Bauer, Susan Grenhart, Jim O'Riely, and "Dink" Carr. Diane Calvagna and Denise Leinker starred in the novice class.

Nassau marathon

March 20 wasn't a day most people would spend in Eisenhower Park, East Meadow. Wet snow was falling and the sky was overcast. Still, a good number showed up.

Almost 700 athletes running in the annual Nassau Marathon race were making two loops in the park. The 26.2 mile race started at Nassau Community College, went east on Stewart Avenue, through the park, and west on Stewart Avenue to the college.

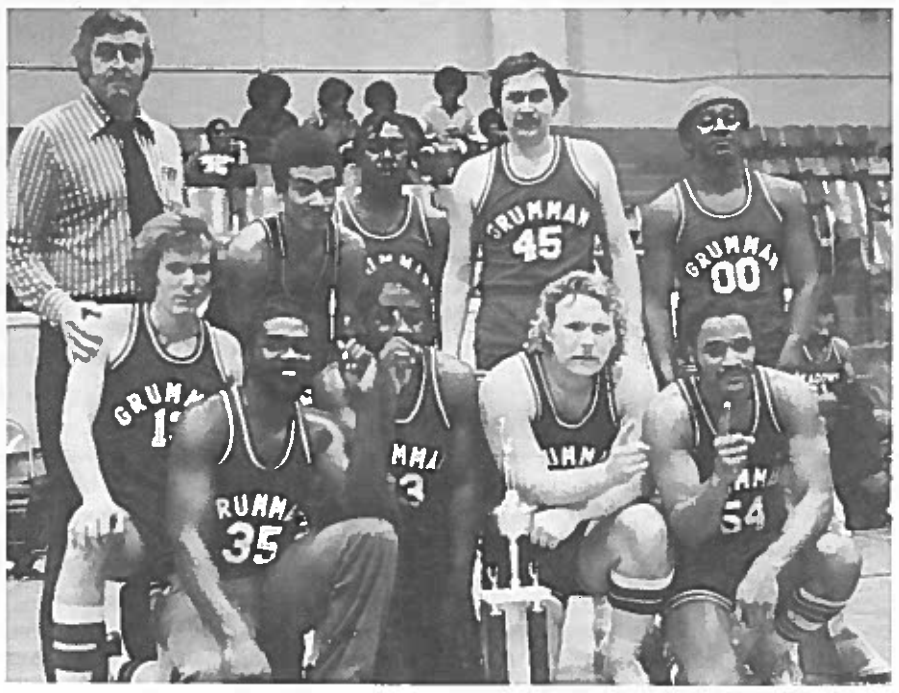
Two Grummanites who ran in the race were Al Loeffler, 4 hours and 11 minutes; and Ralph Palomba, 4 hours and 6 minutes.

Loeffler's been jogging for 10 years and decided to try marathons because "jogging gets very boring." His first race was the New York City Marathon in '76. His goal is to finish a marathon course in less than four hours.

He says, "Not being younger can be very depressing in racing. Half-way through the Nassau, I was pacing myself and thinking how far off the finish line was. Along came two college girls who passed me with no effort as they chatted with each other and disappeared in the distance."

Although Palomba started running only six years ago, he's been in five marathons. Speaking of the Nassau, he says, "The wet snow wasn't too much of a problem. I was grateful there was no wind. When the wind is against you, you lose time, and it's tough running. And, when it's at your back, it doesn't help you regain lost time. I enjoy running and staying in condition for the races. I've lost 20 pounds and feel great."

Tourney contenders. *Grumman varsity bowling team poses with trophies after placing second in the L.I. Industrial Invitation Bowling Tournament. Pictured (L-R) kneeling: Frank Fiorentino, Ed Gabriel, and John Erickson. Standing: Mike Cherry of GAA; Frank Tucholski; and Ernie Jenkins. (Photo by Bob Settles)*



Milledgeville champs. *Grumman Tomcats, Plant 66, Milledgeville, Ga., pose behind their trophy after defeating Georgia Power Co. team, 57-43, for title in the Baldwin County Industrial basketball league. Front row (L-R): Glen Hopson, Wash Culver, Marion Baymon, Odis Clark, and Alex French. Back row: Coach Jim Hicks, Willie Harper, Jim Swint, Bob Mellor, and Sid Parks. Not pictured: Coach Lovette Brown, John Trawick, Art Shinholster, and Jerry Buckridge.*

Top hoopsters

With two games to play, the Hellcats are in first place in the L.I. Industrial Basketball League after defeating Fairchild-Republic, 74-72.

It wasn't an easy win. The varsity didn't take charge until the third quarter. Dogged team defensive work and scoring by Fornd Farmer, Rich Washington, and Larry Tarvin finally turned the trick, putting the Hellcats ahead, 57-50.

That lead wasn't safe for very long. Fairchild got back into the game with 11 seconds remaining. Down by two points and in possession of the ball, Fairchild's inbound pass was deflected by the Hellcats off an opponent out of bounds. With six seconds on the clock, Grumman's Rich Washington was fouled. He sunk both free throws, icing the victory for the Hellcats even though the losers sank a basket as the buzzer sounded.

Scoring honors went to Washington with 20 points; Tarvin, 18; Farmer, 17; and Larry Bates, 12.

Softball tryouts

The GAA announces tryouts for the men's varsity softball team on April 12 and 14 at field 1, Plant 3. All positions on the team are open.

Chet Baumgartner of the GAA says additional dates will be scheduled for further tryouts.

For more information, call Jack Keane, Ext. 7595.

Paddle aces

Last month the Bethpage singles and doubles table tennis champs were decided for '77. The addition of a C division for new tournament players brought in a record number of entrants.

The singles winners in the A, B, and C divisions, respectively, were: John Lee, Phil Pinkney, and Bill McAllister.

Winning teams in the doubles series for the A, B, and C divisions, respectively, were: John Lee and Frank Watson, Joe Lo Cicero and Roger Ng, and Tom Cook and John Morgan.

GAA drive draws to close; Cherry predicts new record

As PLANE NEWS went to press the GAA membership drive was not yet over, but, Mike Cherry, who heads the campaign, said that "All signs indicate the drive will be more successful this year than ever before. All departments that have sent in their returns have hit the 100 percent mark."

He says every section in the company that supported the drive is to be congratulated but he feels special commendation should go to the large departments. Many people have to work hard before those groups can show a 100 percent membership report.

Cherry singles out the following departments: Operations Quality (653); Material Management (572); Material Management, Bethpage Operations (366); Transportation (239); and Accounting (220).

Today, the drawing for the GAA prizes is scheduled at Plant 30. Prizes include 15 $100 U.S. Savings Bonds and 50 sets of Grumman glasses. Winners will be announced in the next edition of PLANE NEWS.

The latest additions to the growing list of 100-percent departments follows:

PLANT 1—Prototype, Sub-Assy. Major, Major Assy., Sub-Assy., Fuselage Assy., Fuse Fwd. Sub & Major, Fuselage Joining, Sub-Assy., Hydraulics, Final Assy., Elect. Fab., Prod. Plt.-Mgmt./Staff, Mfg. Admin., Invent. Control, Prod. Control, Repair Control, Material Shortage Control.

PLANT 2—Press, Small Parts Fab., Alodine, Cadmium Plate, Heat Treat, Steel Parts Assy., Tanks & Ducts, Hydraulics, Invent. Control, Stock Control, Material Mgmt.

PLANT 4—Manufacturing Ops., Bethpage Airport.

PLANT 5—Proposal Operations, Corp. Program Mgmt., Misc. Small Programs, Customer Requirements, Business Development Staff, Product Development Center, Vehicle Liaison Engg., Financial Ops., Advanced Aircraft Systems, Instrumentation, Support Equip. Prod., Environmental Ctl. & Test, Honeycomb Prep., Prod. Plt.-Mgmt./Staff.

PLANT 6, 7, 8—Flt. Test Mgmt. & Staff, Administration, Flt. Safe Support, Corp. Instrum. Systems, Corp. Instrum. Ground Test, Corp. Instrum. Flight Data, Corp. Instrum. Oper./ Projects, Prop. & Spec. Probs., Flt. Test Central Estimating, Instrum. Test.

PLANT 14—Instrumentation.

PLANT 17—Central Cutting.

PLANT 18—Plant Protection.

PLANT 20—Transportation; Cal./Bethpage.

PLANT 25—Space Programs, B-1 Program, Navy Programs, F-14 Program Mgmt., Iran Ops. BPA.

PLANT 26—Instrumentation.

PLANT 28—Employment.

PLANT 30—Contract Revenue, Financial/ Reg. Reports, Materials Accounting, Claims/ Adjustments, Invoice Audit, General Accounting, Food Service Account, Contract Termination, Cont. Cost Analysis, Property Accounting, Finance Department, Accounting Adm., Paymaster, Payroll, Time Card Control.

PLANT 35—System Sciences.

PLANT 37—Central Cutting.

PLANT 40—Electronic Warfare Programs, Nacelle/Thrust Reverser Program, Program Mgmt,-A-6.

PLANT 77—Maint. Adm., Plant Mgmt., Mat. Control, Facilities, Plt. Protection, F-14 Final Assy., Iran, Avionics, Dassault, Paint Shop, Elec. Sub-Assy., Program Contracts, Fac. Services, Mfg. Estimate/Budgets, Prog. Planning Control & Bldg., Prog. Mgmt., Officers.

PLANT 81-Naval Air Station, Whidbey Island.

PLANT 84—Goddard Space Flight Center, Green Belt, Maryland.

PLANT 88—Production Modification & Test.

ALL PLANTS—Material Mgmt., Configuration/Data Mgmt.

obituaries

ROSWELL CHANDLER of Drafting, Plant 25, died March 19 at the age of 57. He had been with the company since 1952 and resided at 27 Colony Dr., W. Sayville.

MERIVALE L. JONES of Plant Protection, Plant 36, died March 21 at the age of 51. He had been with Grumman since 1954 and lived at 138-26 232nd St., Springfield Gardens.

ANDREW W. VAN MAMEREN of Elect. Testing, Plant 8, died March 19 at the age of 59. He worked for the company since 1973 and lived at 27 44th St., Islip.

Personal

My family & I wish to thank our friends& co-workers for their kindness & sympathy during the loss of my wife, Josephine. **Ed Januszkiewicz**

On behalf of my entire family, I wish to thank Employee Services & all my friends at Grumman for their generosity & kindness during the recent loss of my father. **Joe Popolo**

Ready to go. *Grumman flight crew (L to R) Bob Smyth, director of Flight Test; Fred Cornicelli; Dave Seeman; and Dave Marks are ready to board the first of six TC-4C trainers that the Navy plans to modify to the A6-E TRAM (Target Recognition Attack Multi-sensor) configuration. Delivery of first aircraft is slated for May.*

On tour. *Grumman test pilot Pete Tumillo (R) briefs Capt. Robert Harp on F-14 cockpit configuration. The director of NAVAIR's Configuration Management Office toured L.I. facilities recently with Paul Colon (R), deputy director of Configuration Data Mgmt.*

GRUMMAN plane news

ADDRESS CORRECTION REQUESTED

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